BROADCAST BETWEEN SUBNETWORKS CONNECTED VIA ROUTER

ABSTRACT OF THE DISCLOSURE

The present invention allows the contents of network-wide broadcast in a first subnetwork to be passed to a second subnetwork even if a router is set to prevent the network-wide broadcast in the first subnetwork from going out of the first subnetwork. In response to the network-wide broadcast in the first subnetwork, a first broadcast relay generates a packet in which a destination address of the network-wide broadcast packet is changed to an address of a second broadcast relay belonging to a second subnetwork, and outputs the address changed packet to the first subnetwork. The second broadcast relay generates, in response to the packet addressed thereto, a second subnetwork-only broadcast as a local broadcast, and outputs it to the second subnetwork. A server of the second subnetwork performs a predetermined process on the broadcast outputted by the second broadcast relay.